

AMENDMENT UNDER 37 C.F.R. § 1.111  
U.S. Appln. No. 09/722,306  
Attorney Docket Q61090

IN THE SPECIFICATION:

Page 9, the paragraph beginning at line 7.

A1  
Fig. 1 is a block diagram showing equipment constituting a ladder circuit editing system in accordance with the present invention. In Fig. 1, reference numeral 0101 denotes a ladder circuit editing system, 0102 denotes a CRT, 0103 denotes a keyboard, and 0104 denotes an auxiliary storage device. Reference numeral 0105 denotes a processing unit, 0106 denotes a screen control unit, 0107 denotes a key entry control unit, 0108 denotes an auxiliary storage device control unit, 0109 denotes a memory, and 0110 denotes a function key.

Page 9, the paragraph beginning at line 17.

A2  
Fig. 2 shows divisions of a ladder diagram. In Fig. 2, reference numeral 0201 denotes a ladder diagram. The details of the ladder diagram will be described later. The ladder diagram 0201 has a right left generatrix 0202, an activation condition division 0203, an interlock division 0204, an output division 0205, and a right generatrix 0206.

Page 11, the paragraph beginning at line 10.

A3  
Fig. 11 shows a compared to look a table to be defined in the memory 0109 when the system performs retrieval. Referring to Fig. 11, reference numeral 0901 denotes a compared location table indicating a location in the character memory 0801 whose data is being edited. 0902 denotes a row column number area in the compared location table 0901, and 0903 denotes a column row number area in the compared location table 0901.

Page 11, the paragraph beginning at line 18.

A4  
Fig. 12 shows a compared location table to be defined in the memory 0109 when the system performed retrieval. Referring to Fig. 12, reference numeral 0904 denotes a retrieved location table indicating a location in the character memory 0801 from which data is being retrieved. 0905 denotes a row column number area in the retrieved location table 0904, and 0906 denotes a column row number area in the retrieved location table 0904.

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Page 27, the paragraph beginning at line 15.

AS Fig. 26 shows the structure of a memory defined in the memory 0109 in which the ladder diagram 1601 is stored, that is, a character memory. Referring to Fig. 26, reference numerals 1701 and 1702 denotes character memories defined at predetermined locations in the memory 0109. The character memory 1701 serves as an unavailable area in which at least one circuit pattern that has been input is stored. In ~~contrast~~ contrast, the character memory 1702 is a character memory allocated to the additional circuit block 1602 and serving as an available area in which a new circuit pattern is stored.